



Weather Briefing

August 02, 2015



National Weather Service
Detroit/Pontiac, MI

<http://www.weather.gov/dtx>

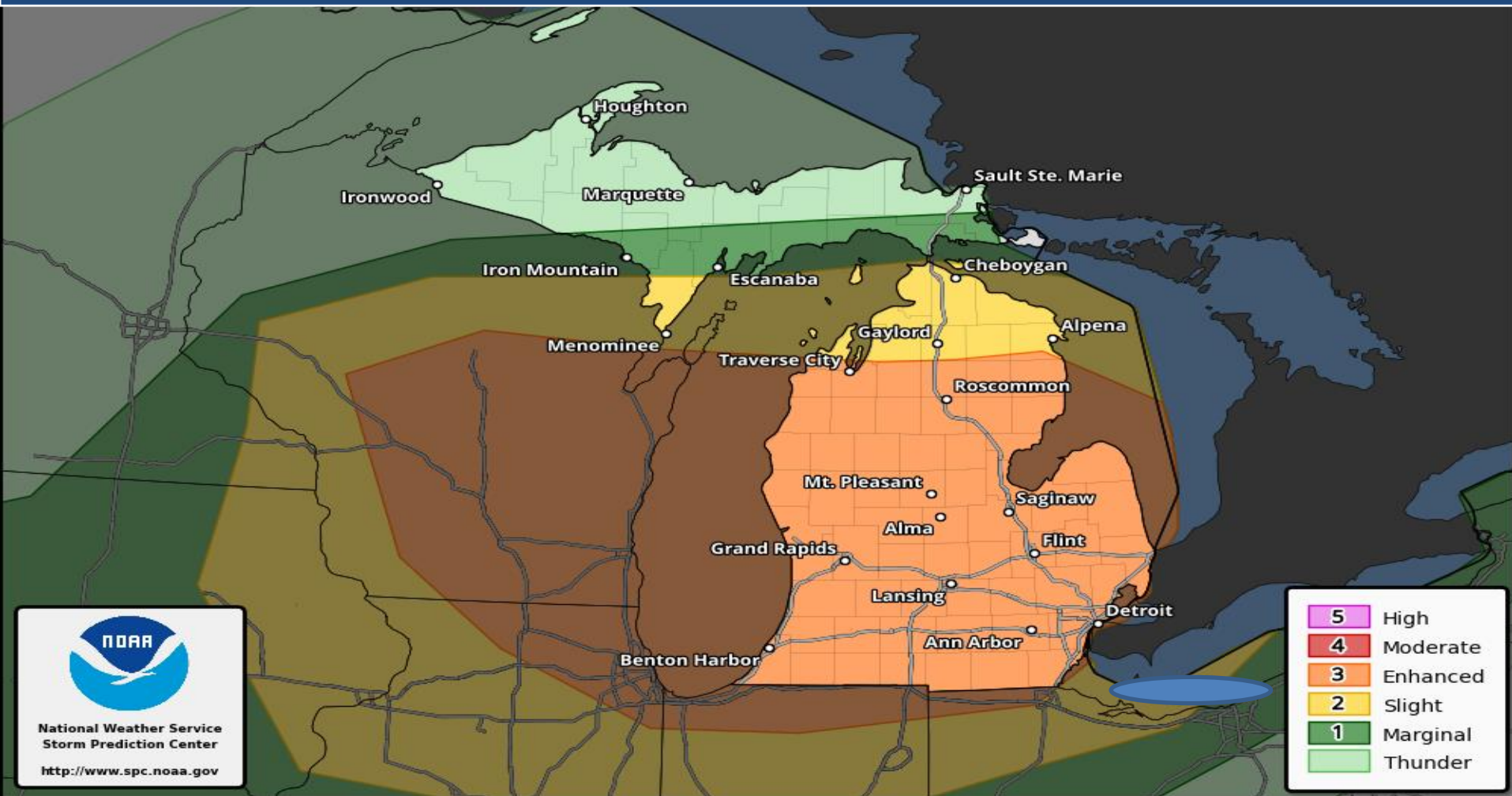
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Severe Weather Possible This Evening and Tonight



What: Damaging winds main hazard. Large hail and tornadoes also possible.

Where: All of Southeast Michigan


When: Through 2 AM.



Risk Categories



Understanding Severe Thunderstorm Risk Categories

THUNDERSTORMS (no label)	1 - MARGINAL (MRGL)	2 - SLIGHT (SLGT)	3 - ENHANCED (ENH)	4 - MODERATE (MDT)	5 - HIGH (HIGH)
No severe* thunderstorms expected	Isolated severe thunderstorms possible	Scattered severe storms possible	Numerous severe storms possible	Widespread severe storms likely	Widespread severe storms expected
Lightning/flooding threats exist with <u>all</u> thunderstorms	Limited in duration and/or coverage and/or intensity	Short-lived and/or not widespread, isolated intense storms possible	More persistent and/or widespread, a few intense	Long-lived, widespread and intense	Long-lived, very widespread and particularly intense
					
<ul style="list-style-type: none">• Winds to 40 mph• Small hail	<ul style="list-style-type: none">• Winds 40-60 mph• Hail up to 1"• Low tornado risk	<ul style="list-style-type: none">• One or two tornadoes• Reports of strong winds/wind damage• Hail ~1", isolated 2"	<ul style="list-style-type: none">• A few tornadoes• Several reports of wind damage• Damaging hail, 1 - 2"	<ul style="list-style-type: none">• Strong tornadoes• Widespread wind damage• Destructive hail, 2" +	<ul style="list-style-type: none">• Tornado outbreak• Derecho

* NWS defines a severe thunderstorm as measured wind gusts to at least 58 mph, and/or hail to at least one inch in diameter, and/or a tornado. All thunderstorm categories imply lightning and the potential for flooding. Categories are also tied to the probability of a severe weather event within 25 miles of your location.



National Weather Service

www.spc.noaa.gov



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Decision Support Briefing Highlights



Event Summary

Storms will increase in coverage this evening ahead of a cold front moving from northwest to southeast across the area.

Sufficient instability and very strong wind fields will provide the necessary ingredients for severe weather.



Severe Weather Details

This Evening and Tonight



What

- Thunderstorm coverage to increase this evening and early tonight.
- Some storms are expected to be severe
- Storms will move from west to east between 30 and 50 MPH.
- **Greatest Threat:** Damaging Winds To 60 MPH
- **Lesser Threat:** Tornadoes and Large Hail

When

- Greatest threat before 2 AM

Where

- All of Southeast Michigan

Forecast Confidence

- High with at least a few severe storms developing

weather.gov/detroit



Additional Information



Local Hazards Page

<http://w2.weather.gov/dtx/dtxhazards>

Storm Prediction Center

<http://www.spc.noaa.gov>

NWS Detroit/Pontiac, MI

<http://www.weather.gov/dtx>

Email: w-dtx.webmaster@noaa.gov



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